Line	Transmission Project Data Field	Input Terms and Descriptions
1	Row/Line No.	Row/line number in spreadsheet. Include separate project lines, as described and required in data fields 24-26, for the subparts, i.e., ID #1 of all FERC-jurisdictional electric transmission projects, including generator interconnection-related network upgrades: 1. the total cost of which At Unique ID #2 will at any point equa
	Project Description	
2	Project Name	Include Project Name at date of report filing. Identify all prior names of the project and other names currently used in different venues, including the name as approved and included in the CAISO's TPP.
3	Location 1	Latitude and Longitude (in decimal degrees)
4	Location 2	City/Cities and County/counties
5	Project Description	General project overview: what, where, and why. Discuss all assets to be installed and include all capacities (MVA) and voltages (kV).
6	Project Description - What	Transmission line (new, reconductor, relocation), substation (breaker, transformer relay protection), etc. (provide list of all categories)
7	Project Description - Action take	New, replacement, upgrade, etc. (provide list of all categories)
8	Related Projects	Identify all other projects in the spreadsheet that are operationally dependent on this project or vice versa and/or will be constructed in tandem with this project.
9	Primary Purpose	May include, but not limited to: CAISO Transmission Planning Standards (NERC Compliance and contingency code, WECC Requirement (and the specific requirement)), Reliability, Load Growth, Local Capacity Requirement, Address Results of Power Flow Analysis, Address Results of Protection Studies, Physical Security, Poli
10	Secondary Purpose	May include, but not limited to: 3rd Party Damage, Age/Condition, Age/Condition - 230/115/70/60 kV Relay Replacement, Age/Condition - 500 kV Relay Replacement, Age/Condition - Anti Climb Guards, Age/Condition - Insulator Replacement - Steel, Age/Condition - Insulator Replacement - Wood, Age/Condition - Raptor I
11	NERC/WECC/CAISO Standard/Re	If the primary or secondary purpose relates to complying with a NERC, WECC, or CAISO requirement, list the specific standard(s), requirement(s), and/or any contingencies that are being addressed.
12	Last Inspection	Specific date when the last inspection of the asset being repaired, replaced, or upgraded occurred.
13	Age of Asset	Age in years of the asset being repaired, replaced, or upgraded.
14	Types of Analyses	Types of analyses that have been performed on the asset being repaired, replaced, or upgraded (e.g. load flow, short circuit, corrosion). List all field test and results that indicated the need for the project.
15	Alternative Solutions and Costs	Alternative solutions to the project that were considered, and the costs of all alternatives considered. (Sub-columns can be created here to accommodate multiple alternatives considered.)
16	CPUC Fire Threat Zone/Rating	Indicate whether the project is located in Tier 2 or Tier 3 in CPUC's High Fire-Threat Districts (HFTD) or Zone 1 in CalFire/USFS High Hazard Zone (HHZ).
17	Wildfire Related	Explain whether the project is 1. related to repairing wildfire damage or 2. a measure identified in the Wildfire Mitigation Plan, or 3. is related to wildfire in some other way, please explain.
18	RAMP	Indicate whether the project is a proposed mitigation measure in the utility's Risk Assessment & Mitigation Phase (RAMP).
19	Other Environmental Factors	Environmental factors in the project's location that may affect the length of the asset's service life.
20	Project Manager	Person in charge of the implementation of this project for the Utility.
21	Transmission Project Size (lengt	Miles of transmission power lines included in the project.
22	Substation Project Footprint (ac	Acres of substation footprint included in the project.
23	Transmission Voltage Level (kV)	Use kV for transmission power lines ratings.
24	Substation or Transformer Capa	Use MVA and/or kV for substations.
25	Utility Prioritization Ranking	Using the Utility's prioritization ranking. If multiple metrics are used to prioritize projects, please include a separate data subfield for each. (Sub-columns can be created to accommodate multiple or tiered ranking methodologies.)
26	Utility Unique ID #1	Most specific (PG&E = Planning Order, SCE = SCE ID, SDG&E = Project ID)
27	Utility Unique ID #2	Less specific (PG&E = T.dot, SCE = Capital Work Breakdown Structure, SDG&E = Budget Code)
28	Utility Unique ID #3	Least specific (PG&E = Major Work Category, SCE = Project Identification Number , SDG&E = N/A)
29	Changes in Unique IDs	If any of the Unique IDs above changed at any time, please note the date of change and the former ID.
	Utility/CAISO Approval and FERC	Rate Cases
30	Utility Approval	"Yes" if the Utility has approved the project; "No" if the Utility has not approved the project.
31	Year of Internal Utility Approval	If utility has approved the project, insert first year of internal approval. If not insert "n/a."
32	Process(es) for Utility Approval	If utility has approved the project, insert utility approval process for which a description has been provided to the CPUC and Stakeholders.
33	Long term Transmission Investm	The year in which the project was first included in the utility's long-term transmission investment plan.
34	CAISO Year	Insert the year when approved by CAISO. If not a CAISO-approved project, insert "No".
35	Transmission Planning Process (	Please indicate with "Yes" if any part of this project was subject to the competitive solicitation process in the TPP. In the notes section briefly describe any portion of the project awarded to another developer and how it relates to the project in this Spreadsheet.

36	Year(s) when considered in CAIS	Indicate years in which the project was considered in the TPP. If considered in year(s) prior to CAISO approval, please indicate all years.
37	Year when expected to be consi	If not yet considered in the CAISO TPP, indicate the year when it is expected to be considered in the CAISO TPP.
38	Link to TPP where project has be	Insert active hyperlink to any TPP where project was considered, including years in which the project was not approved.
39	Generator Interconnection and	Please indicate with "yes" or "no" whether this transmission project is a transmission network upgrade related to generator interconnection(s).
	CPUC Permit Status	
40	CEQA Status	Include one of the following along with the corresponding date: Expected PEA Completion, PEA Deemed Complete, CEQA Draft Published, CEQA Final Publishec
41	CEQA/NEPA Document Type	Examples include: IS/ND/MND, EIR, EIR/EIS, MND/EA/FONSI, CatEx, StatEx, no discretionary permit, Other, or N/A (If "Other" or "N/A," include explanation in tl
42	CEQA/NEPA Lead Agency	Examples include: CPUC, SWRCB, CSLC, Other, N/A etc. (If "Other" or "N/A," include explanation in the "Notes" data field.).
43	CPUC Filing Type	NOC Advice Letter (AL), Application for 851, PTC, CPCN, Other, or N/A (if Other or N/A include explanation). If an AL, include the number; If an Application, include number.
44	CPUC Date Filed	The year filed at the CPUC or insert "Not yet filed" with the expected filing date.
45	CPUC Status	Insert "Approved", "Rejected", "To be Filed", "Filed and Under Review," "Other," or "N/A" (If Other or N/A, include explanation in the "Notes" data field.).
46	CPUC Status: Year	Insert the year this CPUC Status was determined.
	Project Status	
47	Project Status	Planning, Engineering less than 50% complete, Engineering more than 50% complete, Permitting, Construction (include percentage of construction completed at the time this data spreadsheet is provided), Operational, On Hold, Canceled, or Abandoned (if On Hold, Canceled, or Abandoned, include explanation in the "Not
48	AACE Class	The current Estimate Class in AACE International's Cost Estimate Classification System at the time this data spreadsheet is provided.
49	Construction Start Date	The date on which construction began or is expected to begin.
50	Original Planned In-Service Date	What was the expected in-service date when the project was first approved by the CAISO? If not a CAISO-approved project, provide the expected in-service date when the project was approved internally by the Utility.
51	Current Projected or Actual In-S	At the time this data spreadsheet is provided.
52	Reason for Change in In-Service	If the current projected or actual in-service date varies more than six months from the original in-service date, please explain all reasons for this change.
53	In-Flight Projects	For projects with costs expected to go into rate base in the current rate year or in the following rate year at FERC, please indicate with "yes." If there will be no additions to rate base in either year, indicate with "no."
	Costs	
54	Original Projected Cost or Cost F	Forecast cost or forecast cost range at the earliest of CAISO, CPUC, or utility internal approval. If this single project line in the spreadsheet represents the entirety of the project, that is the number that should be here. If this project line is a subpart of a larger project, the original cost for that subpart should be here.
55	Cost Cap ($000)	Insert Cost Cap on project if available, as well as the authority imposing the cost cap. This shall include any maximum cost determined to be reasonable and prudent in a CPUC proceeding.
56	Current Projected Total or Actu	Updated projected fully-loaded total or actual fully loaded final cost of project. Projected total should be the anticipated sum of all capital expenditures, overhead,and AFUDC. Actual cost should be the total expenditures, overhead and AFUDC in the addition to rate base. Operational
57	Actual Capital Expenditures ($0(	Please include separate columns for each of the previous five (5) years. If these expenditures do not include overheads and AFUDC, please provide those year-by-year.
58	Projected Capital Expenditures (	For the current year and five (5) future years, provide the year-by-year fully-loaded forecast capital expenditures for the project. Please include separate columns for each year. If these expenditures do not include overheads and AFUDC, please provide those year-by-year.
59	Construction Work in Progress E	Total amount of money that has been spent so far for the project through the last calendar year.
60	Accrued Overhead	If the capital expenditures provided in Data Field #57 do not include Overhead, please provide the accrued Overhead through the last calendar year.
61	Accrued AFUDC	If the capital expenditures provided in Data Field #57 do not include AFUDC, please provide the accrued AFUDC through the last calendar year.
62	FERC: Year(s)	Insert ALL rate years when any costs of this project went - or are forecast to go - into FERC jurisdictional transmission rate base.
63	FERC Dollars in Rate Base	Insert the year(s) and actual dollars added to FERC jursidictional transmission rate base on the project for each year. This should include additional costs added to rate base in years after operation first occurred.
64	Percentage of Bid	Percentage (or actual cost) of project implemented by outside developer, as opposed to the incumbent utility. If there is a project being developed by a non-incumbent utility that relates to this project, please indicate the name of the project as approved in the CAISO TPP.
65	Percentage of Work Requested	If the project is work requested by others or customer-driven, what percentage of the projects costs has been - or is expected to be - passed onto ratepayers? If the dollar amount being passed onto ratepayers is fixed, then this number can be expressed as a dollar amount.
66	Cost-Benefit Analysis	The Cost-to-Benefit ratio. If the Utility's Cost-Benefit analysis related to its Risk-Based Decision-Making Framework (RDF) has not already been included in the "Utility Prioritization Ranking" data field above, please include it here.
67	FERC Incentives	List any project-specific transmission incentives granted under any FERC Orders.
68	% Cost in High Voltage TAC	Insert % of project cost recovered in the high-voltage TAC.
69	% Cost in Low Voltage TAC	Insert % of project cost recovered in the low-voltage TAC.
	Notes	
70	Notes	Any additionally requested information or other needed details about the project that were not otherwise covered.

al or exceed $1 million. In the event that there is no ID#2 provided, the million-dollar threshold applies to ID #1. and 2. for which there were capital expenditures in the last five years OR for which any capital expenditures are anticipated in the current or next five years. Each project should have at least one Row/Line No. in this spreadsheet, as subparts of projects wi

icy, Economic, Generator Interconnection, Work Requested by Others, Age/End of Life, Wildfire Mitigation, Field Test Results, Emergency Event, Location, Environmental Conditions, Safety, Asset Condition, or Other. In the "Notes" data field, please explain a purpose identified as "Other" or provide additional details on the purpose identified.

Protection - Steel, Age/Condition - Replace 230/115/70/60 kV Breakers, Age/Condition - Replace 230/115/70/60 kV Transformers, Age/Condition - Replace 500 kV Breakers, Age/Condition - Replace 500 kV Transformers, Age/Condition - Replace Boardwalks, Age/Condition - Replace Breakers, Age/Condition - Replace Civil Structures, Age/Condition - Replace Conduct

tes" data field.).

l projects and all data must remain in this report for at least five (5) years after the last of the project's expenditures and capital additions.

vill require additional project lines.

:tor, Age/Condition - Replace Insulators, Age/Condition - Replace Other Substation Equipment, Age/Condition - Replace Other T-Line Equipment, Age/Condition - Replace Reactors, Age/Condition - Replace Relays, Age/Condition - Replace Relays, Age/Condition - Replace SCADA/RTU, Age/Condition - Replace Steel Poles, Age/Condition - Replace Switches, Age/C

Condition - Replace Transformers, Age/Condition - Replace Underground System, Age/Condition - Replace Wood Poles, Age/Condition - Switch Replacement - Steel, Age/Condition - Switch Replacement - Wood, Age/Condition - Targeted Relay Replacement, Age/Condition - Wood Pole Reframe, Animal Abatement, Automation, Bus Upgrade, Compliance - Remo

ove Idle Facilities, Construct Roads/Gates/Culverts, Emergency Response - Fire Related, Emergency Response - Storm Related, Environmental, Facility Relocation, Fire Protection, Generation Interconnection, GO95 Mitigation - Steel, Install SCADA/RTU, Line Reconductoring, Line Termination, Load Interconnection, Modular Protection and Automation Control, N

NERC CIP Compliance, NERC Compliance - GO 95, New Substation, New T-Line, Priority 1 Steel Structure Replacement, Priority 1 Wood Structure Replacement, Protection NERC Compliance, Relay Upgrades, Replace Breakers, Replace Other Substation Equipment, Replace Transformers, Safety - Line Right of Way Access, SCADA Emergency Replacement, SCADA

, Switch Installation, Security Upgrades, Seismic Upgrade - Replace Conductor, Special Protection Scheme, Substation Capacity, Substation Reliability, System Design Upgrade, System Operations, Targeted Line Reliability, T-Line Capacity, T-Line Emergency, T-Line Reliability, Tools, Transformer Addition/Replacement, Underground Emergency, Voltage Conversio

on, Voltage Support. If the secondary purpose is to comply with a NERC, WECC, or CAISO requirement, list the standard, requirement, and/or any contingencies that are being addressed.

Project Description

1	2	3	4	5
Row/Line No.	Project Name(s)	Location 1	Location2	Project Description

6	7	8	9	10
Project Description - What	Project Description - Action	Related Projects	Primary Purpose	Secondary Purpose

11	12	13	14	15	16
NERC/WECC/CAISO Standar	Last Inspection	Age of Asset	Types of Analyses	Alternative Solutions and (	CPUC Fire Threat Zone

17	18	19	20	21	22
Wildfire Related	RAMP	Other Environmental Factors	Project Manager	Transmission Project Size	Substation Project Foc

23	24	25	26	27
Transmission Voltage L	Substation or Transformer Capacity	Utility Prioritization Ranking	Utility Unique ID #1 (Most	Utility Unique ID #2 (Les

Utility/CAISO Approval and FERC Rate Cases

28	29	30	31	32	33	34
Utility Unique ID #3 (Le	Changes in Uniqu	Utility Approval	Year of Internal Utilit	Process(es) for Utility Ap	Long term Transmissi	CAISO Year

35	36	37	38	39
TPP Phase 3	Year(s) when considered in C	Year when expected to be consi	Link to TPP where project has been consi	GIDAP-Related

CPUC Permit Status

40	41	42	43	44	45	46
CEQA Status	CEQA/NEPA Documen	CEQA/NEPA Lead	CPUC Filing Type	CPUC Date Filed	CPUC Status	CPUC Status: Year

Project Status

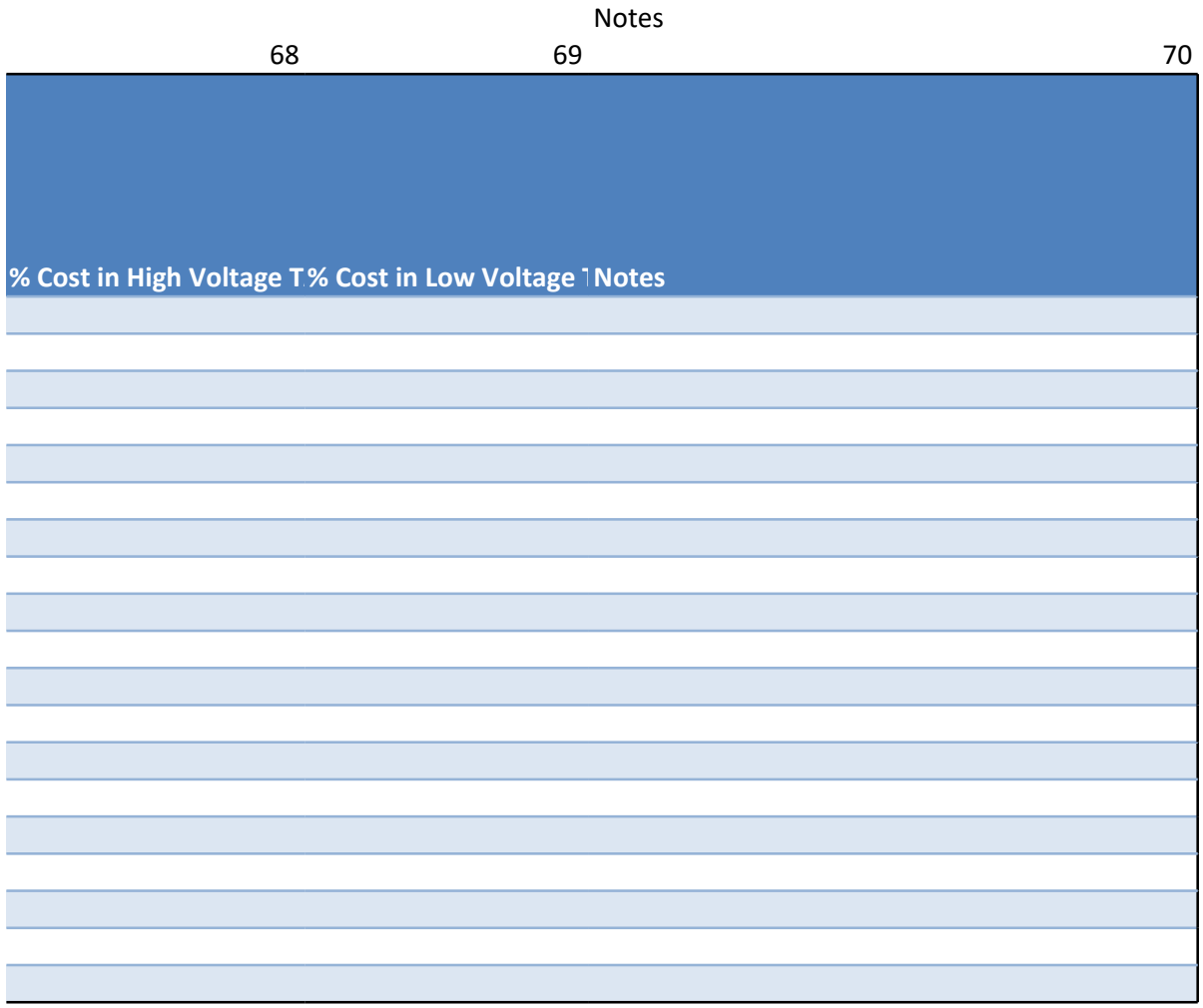
47	48	49	50	51	52
Project Status	AACE Class	Construction Start	Original Planned In-Se	Current Projected or Actual	Reason for Change in In-

Costs

53	54	55	56	57	58
In-Flight Projects	Original Projected Cost or C	Cost Cap ($000)	Current Projected T	Actual Capital Expendit	Projected Capital Expe

59	60	61	62	63
Construction Work in P Accrued Overhead	Accrued AFUDC	FERC: Year(s)	FERC Dollars Ratebased	

64	65	66	67
Percentage of Bid	Percentage of Work Requested b	Cost-Benefit Analysis	FERC Incentives


Notes
68
69
70
% Cost in High Voltage T
% Cost in Low Voltage T
Notes